

IPCC – CITIES

<https://www.citiesipcc.org/en/create-session-submission>

Session aim: (50 words or less)

Session format: (50 words or less)

Session description: (200-400 words)

Call for proposals for sessions

You are invited to submit a proposal for a complete 90-minute session.

Sessions with innovative formats that best foster the delivery of the unique conference objectives and expected outcomes identified above are especially welcome. In order to meet the conference objectives, all sessions must incorporate a clear and visible element of knowledge exchange or co-generation among the scientific community and the practitioner and/or policy-making communities. You are encouraged to focus session proposals on the themes identified in the conference outline, but sessions with foci that cut across several themes are also welcome. Sessions are encouraged to draw on contributors from various world regions, especially the Global South; and to involve early career scientists and consider gender balance among contributors. Proposed sessions will be assessed by the Scientific Steering Committee based on the Conference objectives.

CONFERENCE THEMES

Theme 1: Cities & climate change (Imperatives for action)

The Paris Agreement on Climate Change, Sustainable Development Goals, New Urban Agenda, and Sendai Framework for Disaster Risk Reduction are seeking to construct a new development trajectory. These global commitments both require – and will be supported by – addressing climate change in cities. In this Theme, we invite proposals for sessions and abstracts that specifically aim to exchange knowledge, lessons, and experiences on the impacts of climate change on cities and how cities (their local governments, businesses, and citizens) are adapting and responding to climate change. This theme seeks to map the mitigation and adaptation knowledge needs and the gaps being experienced by cities in the context of realizing global commitments. This Theme could also address the costs and benefits of climate action and inaction; the underpinning of ethics, equity and climate justice in the context of climate change, the role of city residents as agents of change, and the imperatives for actions that achieves low carbon, climate resilient urban pathways, and sustainable development in these contexts.

Theme 2: Urban emissions, impacts and vulnerabilities (Science and practice of cities)

As centers for population, infrastructure and economic activities, cities are key contributors to global emissions of greenhouse gases (GHG) and short-lived climate pollutants (SLCPs) as well as key hotspots of climate change impacts and vulnerabilities. Understanding the processes and interlinkages of climate science, emissions, impacts, risks and vulnerabilities are central for co-producing strategies and alternatives to adapt to and mitigate climate change. In this Theme, we invite proposals for sessions and abstracts that aim to provide a better understanding of current and future urban emission drivers and pathways, urban climate impacts, and risks and

vulnerabilities in cities. This Theme focuses on how the science of cities can guide the reduction of GHG and SLCP emissions, climate vulnerability, differential risks and help improve resilience. The analysis of social processes driving the construction and reconstruction of urban space, of urban form, design and typology are key considerations. This theme will also include lessons learned from exposure to climate variability, extreme climate events and related responses, and focus on means to improve urban climate detection, attribution and climate information.

Theme 3: Solutions for the transition to low carbon and climate resilient cities (Science and practice for cities)

It is evident that cities need transformative solutions given the scale of the climate change problems. In this Theme, we invite proposals for sessions and abstracts that engage with deep decarbonization pathways for cities and regions; transformative adaptation and resilient CITIESIPCC urbanization, and the links between the two. This Theme will address sustainable cities from the viewpoint of mitigation-adaptation linkages, as well as the development-linkages (including poverty and inequality) of mitigation and adaptation pathways. Promises of disruptive technologies and innovations; urban infrastructure and design; political leadership; technical, social, policy, governance and institutional innovation and behavior changes are key to such pathways.

Theme 4: Enabling transformative climate action in cities (advancing science and advancing cities)

Climate action in cities will take place in a context of a diversity of social, environment, economic, and development objectives. The transformative climate change action required in the short and long term, needs enabling - both through knowledge and actions. In this theme, we invite session proposals and abstracts that share innovative practices, suggest new approaches or develop theoretical and methodological framings of transformative climate action in cities. Transformative climate actions should address poverty and inequality, re-shaping of power relations, and re-conceptualizing visions of what cities are, could be, and should be. Sessions and papers in this Theme may address innovative policies and practices (including policy instruments and insurance), governance and institutions, and leadership and political will. The sessions and abstracts may cover technological, institutional, and social innovation, technology transfer, and climate finance and investment including the issue of planning, implementation, monitoring, and evaluation of the Paris Agreement, the New Urban Agenda, the Sustainable Development Goals, and the Sendai Framework.

When you turn this in to EPA I would not give the themes listed above. Just the part you compose

Session Organizer: Dr. Ozge Kaplan, USEPA/ORD

Panelists:

Dr. Ozge Kaplan, USEPA Office of Research and Development

Mr. Iyad Kheirbek, New York City Department of Health and Mental Hygiene

Ms. Lia Cairone, New York City Mayor's Office of Sustainability

Should we include maybe one from academia?? Or NYDEP? I will look into this

Session title:

Forecast your own environmental futures: How is New York City approaching Growth, Equity, Sustainability, and Resiliency challenges? What insight do these efforts provide?

Session aim:

Are you a future taker or future maker? This panel will inform audience on NYC's comprehensive proactive plan to tackle GHG emission reduction pathways, analysis of co-benefits, also synthesis and transfer of information to generate more integrated tools for other cities while considering Economic Growth, Equity, Sustainability, and Resiliency.

Session format:

A panel of speakers comprising city officials to researchers is invited to share their experiences and demonstrate knowledge exchange and co-generation of information and insights to achieve Economic Growth, Equity, Sustainability, and Resiliency goals.

Session Description:

In cities across the globe, urban planners and city agencies are developing strategies to shape their environmental futures. These strategies to protect cities include targeted emission reductions of pollutants that contribute indirectly to extreme weather events and sea level rise. While urban entities contribute to the collective global action around this challenge, well designed plans can radically transform cities, changing the way we use energy, move people and goods, design public spaces and engage the populace to create healthier, safer, more equitable and sustainable urban environments. Cities emphasize mechanisms that not only reduce energy consumption and GHG emissions but also can promote sustainable and resilient practices and technologies across multiple environmental media. These actions are positive, yet do not address the urgency of our most pressing sustainability and resiliency challenges. We need transformative analytical tools, approaches in our analyses as well as the way we govern and design policy. This session will lay the groundwork on how New York City is approaching the problem, and how using this as a baseline, researchers can advance analytical tools and create guidances for other cities to achieve Growth, Equity, Sustainability, and Resiliency goals along with future pathways to minimize vulnerabilities.

This session is aimed to contribute to Theme 2 of the conference, however cross-cutting issues

within Theme 3 will also be covered.

The first panelist in the session will go over the NYC's Roadmap to 80 x 50. In September 2014, New York City became one of leading cities that took early action to reduce GHG through its 80x50 action plan. Achieving this goal requires significant reductions in emissions produced by the city's energy supply, buildings, transportation, and solid waste. The City conducted an integrated analysis and utilized best available science and state-of-the-art GHG emissions modeling to assess what will be necessary to reach 80 x 50.

Our second panelist will talk about vital co-benefits of climate planning, environmental modeling, epidemiology and health impact assessment methods. All these are being used to assess public health benefits of climate action and their distribution across communities. There is an ongoing analysis that quantifies neighborhood-level air quality and public health benefits of New York City's 80x50 climate plan to better prioritize actions for combined GHG mitigation and near-term public health benefits.

Finally, the third panelist will talk about how utilization of NYC data aided development of integrative frameworks that could be extended for other cities considering Growth, Equity, Sustainability, and Resiliency. EPA's ORD has been developing tools and illustrative case studies for decision makers who are facing challenges of establishing resilience to extreme weather events, aging built environment and infrastructure, urbanization, managing limited natural resources, meeting environmental goals, and sustaining economic growth.

Last Name: Kheirbek
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Ex. 6 - Personal Privacy

Affiliation: New York City Department of Health and Mental Hygiene
Community represented: Urban Practitioner
Early Career: No
Travel support: Yes
Support: Airfare and Lodging

Last Name: Cairone
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Ex. 6 - Personal Privacy

Affiliation: New York City Mayor's Office of Sustainability
Community represented: Urban Practitioner
Early Career: ??
Travel support: Yes
Support: Airfare and Lodging